

Work Order ID 51586

August 27, 2009 8:24:36 AM

Page 1

Item ID: D3413-1

Accept

Revision ID: A

Item Name: Ring

Setup Start

Stop

Start Date: 8/27/09

Start Qty: 15.00

Required Date: 8/27/09

Req'd Qty: 15.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan: *MF*

Date: *09-09-24*

Tooling:

Date:

Run Start

Stop

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D3413

Rev A

100

0.00



Waterjet

FLOW WATER JET

Memo

0.00

FLOW CNC Waterjet

1-Cut as per Dwg D3413 11Dwg Rev: *A* 11Prog Rev: *A* 112-
Deburr if necessary

RB 9-9-09
RB 9-10-1

(P/B) →

110

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Memo

0.00

Quality Control

RB 9-9-09
RB 9-10-1

(20)

120

QC8- Inspect parts - second check

0.00



QC

Memo

0.00

Quality Control




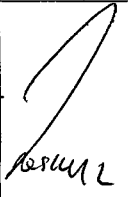
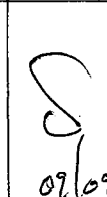
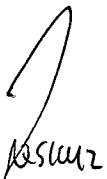
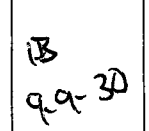


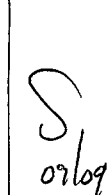
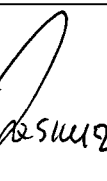

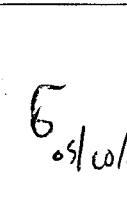
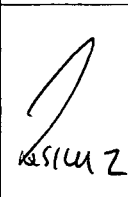
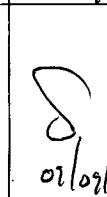
2) 8/31/09

(x20)

(80)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D3413-1 → D206-642 PAR #: _____ Fault Category: Prod-eng. cancellations NCR: Yes No DQA: _____ Date: 05-10-14
 Resolution: Scrap Disposition: Scrap QA: N/C Closed Date: 08-10-14

NCR: <u>51586</u>		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
09/09/30	# 100	Found at inspection that all 21 parts have the Ø.266" hole too large.		- Fix program to cut Ø.266" hole smaller Ø.250	 09/09/30	 09/09/30		 09/09/30
		- Qty x20 parts are at 0.274"		- Scrap and destroy Qty x21				
		- Qty x1 part is at 0.288" RC: offset do not match. to get Ø.202" hole with offset will always make Ø.266" hole too large. RC: Program		Rings Due too to hole size too large. - Replace Qty x 20 M# 105350	 09-30	 09/09/30		 09/09/30
				- updated I.P.P to drill hole to finish size per dwg.	 09/10/07	 09/10/07		 09/09/30

NOTE: Date & initial all entries

Work Order ID 51586

August 27, 2009 8:24:37 AM



Page 2

Item ID: D3413-1

Accept



Setup Start



Revision ID: A

Item Name: Ring

Stop



Start Date: 8/27/09

Start Qty: 15.00



Cust Item ID:

Required Date: 8/27/09

Req'd Qty: 15.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130



Small Fab

Small Fab

Memo

0.00

0.00

1- Deburr and drill hole if required as per dwg D3413 & QSI018 4.1.

M-h

09/09/30

2IX

M-h

09/10/02

20X

140



QC

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

0.00

0.00

2) Scrub

+20

20

150



Powdercoat

Powder Coating

White Gloss(Ref 4.3.5.1) per QSI005 4.3-Alum

Memo

0.00

0.00

START TIME:

18:40

OVEN TEMPERATURE:

300°

FINISH TIME:

11:10

BL 09-10-6

20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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August 27, 2009 8:24:37 AM

Page 3

Item ID: D3413-1

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Revision ID: A

Item Name: Ring

Setup Start

Stop

Start Date: 8/27/09 Start Qty: 15.00

Required Date: 8/27/09 Req'd Qty: 15.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

160



QC

Quality Control

QC3- Inspect Part Finish

Memo

0.00

0.00

=> HJ

09/10/07

220 0

170



Packaging

Packaging

Identify as per dwg & Stock Location: 5473

Memo

0.00

0.00

mo

09/10/07

220

180



QC

Quality Control

QC21- Final Inspection - Work Order Release

Memo

0.00

0.00

09/10/08 HJ

ME 09-10-08

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

August 27, 2009 8:24:36 AM

Page 1

Work Order ID: 51586

Parent Item: D3413-1RevA

Parent Item Name: Ring

Comments:

Start Date: 8/27/09

Required Date: 8/27/09

Start Qty: 15.00

Required Qty: 15.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
M304B0.250X4.000		Purchased	No			100	f	20.1900	3.9474	5.5263		



304 BAR .250 x 4.00

189-9-29
189-10-1

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

MAT

20.19

105358

18.39

105643

1.8

105358

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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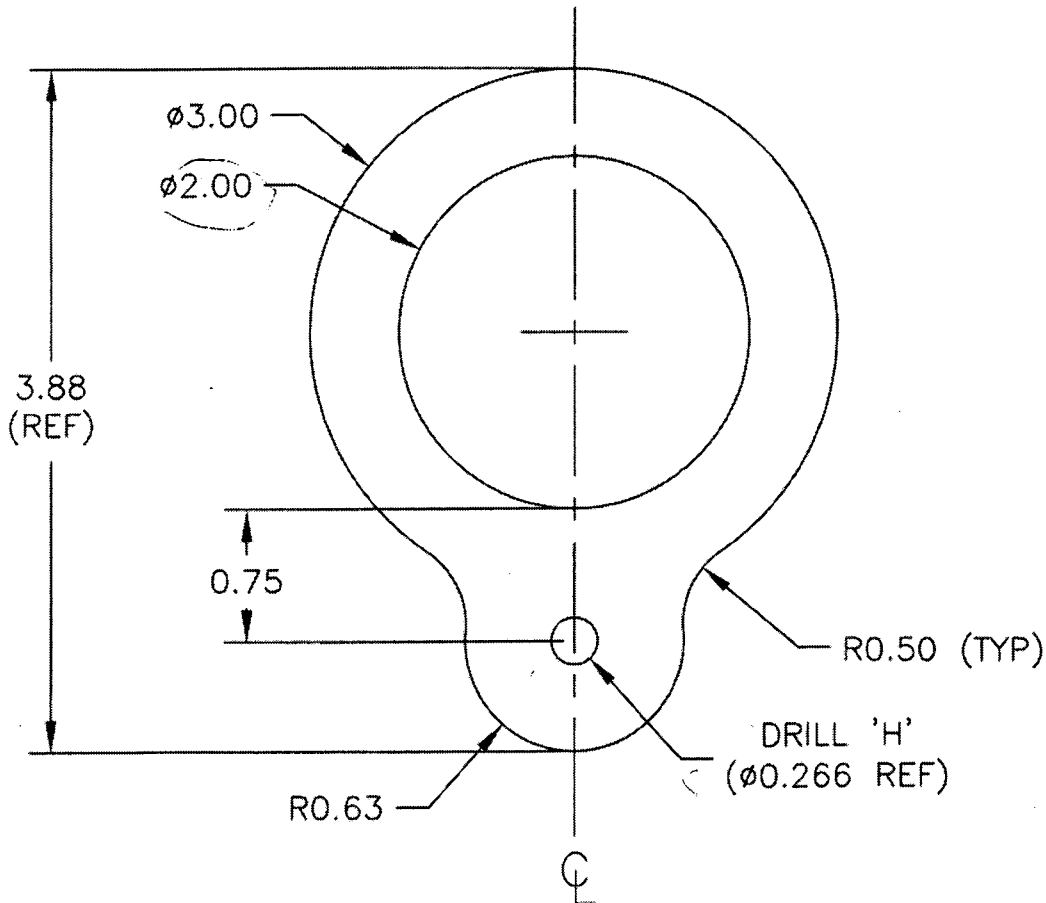
NOTE: Date & initial all entries

DART

DESIGN CP	DRAWN BY CP	DART AEROSPACE USA, INC. PORT HADLOCK, WA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3413	REV. A SHEET 1 OF 1
DATE 05.03.16		TITLE RING	SCALE 1:1
A	05.03.16	NEW ISSUE	

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 5/58

RELEASED
05-09-06

**D3413-1 RING**

- 1) MATERIAL: AISI 304/316 SS PLATE, 0.250 THICK (REF DART SPEC. M304S3GA)
- 2) FINISH: POWDER COAT WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) DEBURR ALL SHARP EDGES 0.010 TO 0.020
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES

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